

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053122\
 Data File : VX029090.D
 Acq On : 31 May 2022 21:35
 Operator : JC/MD
 Sample : N3022-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RB06-20220525

Quant Time: Jun 01 05:01:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 01 04:45:42 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

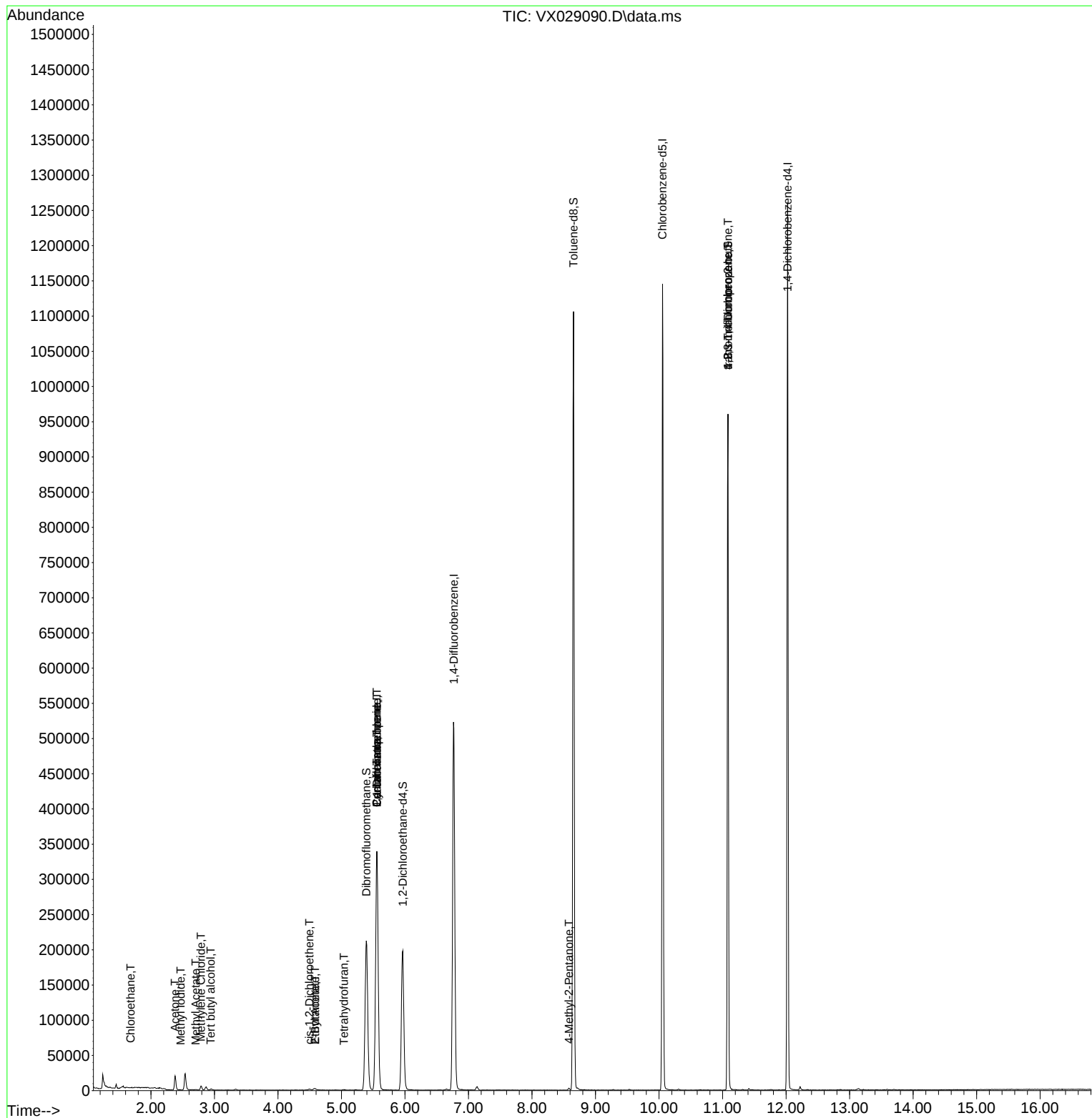
Internal Standards						
1) Pentafluorobenzene	5.556	168	334845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	578027	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	556357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	267284	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	193400	51.220	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	102.440%	
35) Dibromofluoromethane	5.391	113	191907	49.984	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	99.960%	
50) Toluene-d8	8.653	98	673103	47.934	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	95.860%	
62) 4-Bromofluorobenzene	11.085	95	262713	48.399	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	96.800%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	824	Below Cal	#	67
6) Chloroethane	1.678	64	1055	1.753	ug/l #	82
10) Methyl Iodide	2.465	142	456	4.337	ug/l #	77
11) Tert butyl alcohol	2.940	59	1164	1.331	ug/l #	72
16) Acetone	2.379	43	20462	13.762	ug/l	97
18) Methyl Acetate	2.703	43	793	0.206	ug/l	94
20) Methylene Chloride	2.788	84	2666	0.769	ug/l	93
25) 2-Butanone	4.586	43	4292	1.789	ug/l #	86
27) cis-1,2-Dichloroethene	4.495	96	983	0.242	ug/l #	18
29) Tetrahydrofuran	5.038	42	664	0.432	ug/l #	56
31) Cyclohexane	5.556	56	5505	1.121	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	22682	4.591	ug/l #	49
37) Ethyl Acetate	4.586	43	4292	0.896	ug/l #	65
38) Carbon Tetrachloride	5.556	117	33091	5.861	ug/l #	15
44) Trichloroethene	7.135	130	2090	Below Cal		76
51) 4-Methyl-2-Pentanone	8.580	43	1734	0.348	ug/l	93
76) 1,2,3-Trichloropropane	11.085	75	123729	22.835	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	123729	66.995	ug/l #	15

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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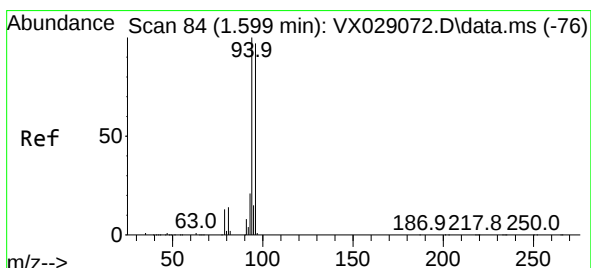
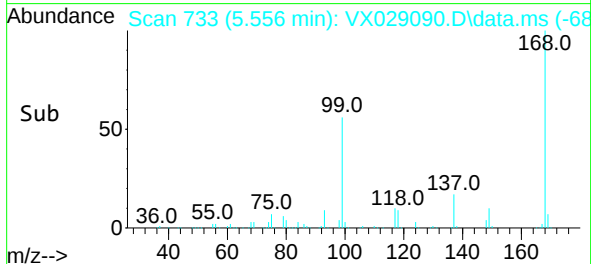
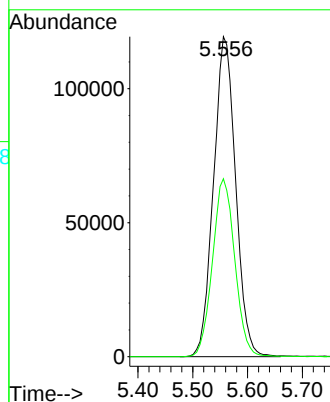
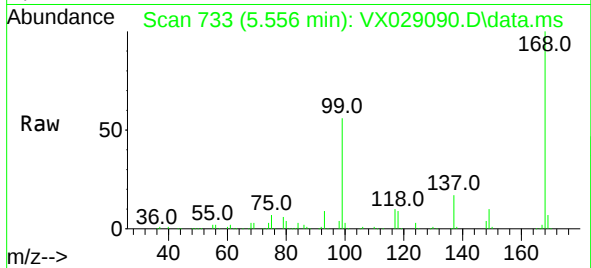




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029090.D
Acq: 31 May 2022 21:35

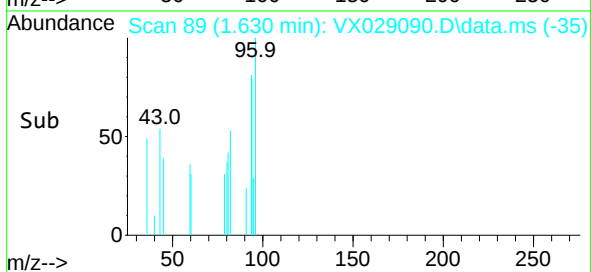
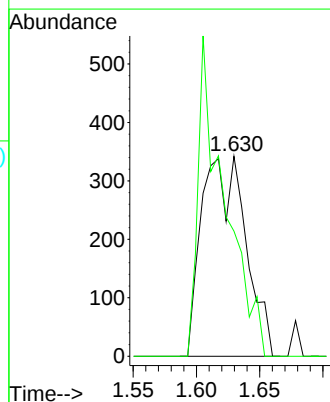
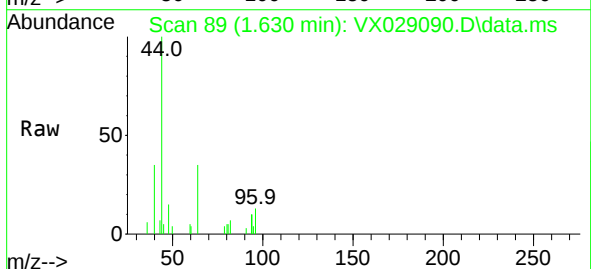
Instrument :
MSVOA_X
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RB06-20220525

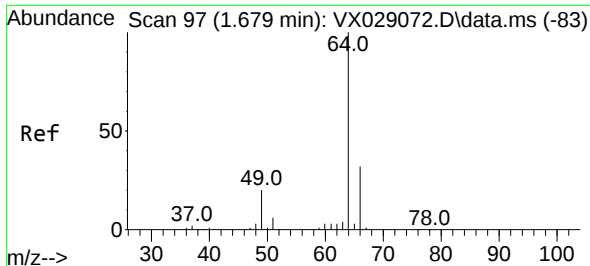
Tgt Ion:168 Resp: 334845
Ion Ratio Lower Upper
168 100
99 55.6 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX029090.D
Acq: 31 May 2022 21:35

Tgt Ion: 94 Resp: 824
Ion Ratio Lower Upper
94 100
96 62.6 75.3 112.9#

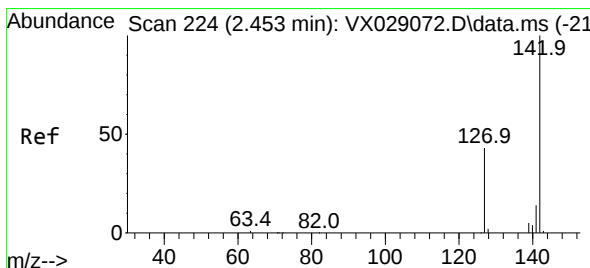
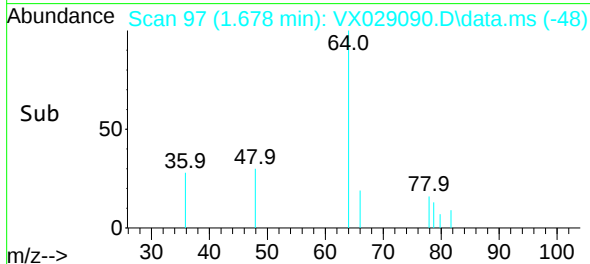
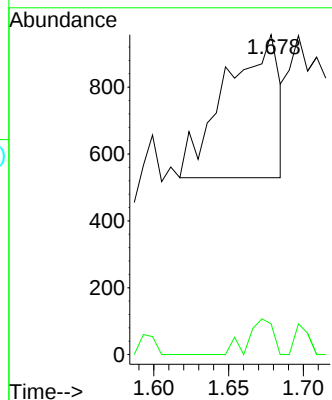
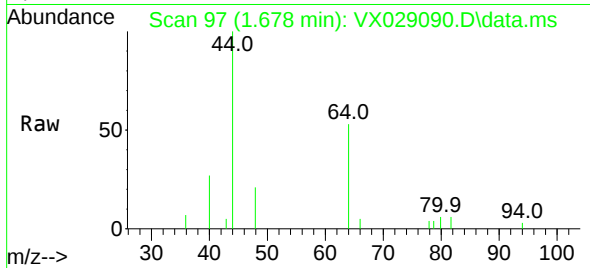




#6
Chloroethane
Concen: 1.753 ug/l
RT: 1.678 min Scan# 91
Delta R.T. -0.001 min
Lab File: VX029090.D
Acq: 31 May 2022 21:35

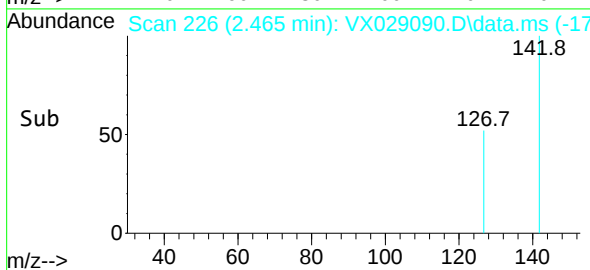
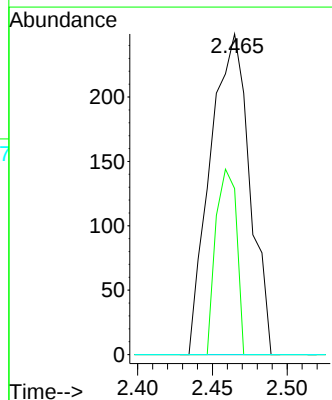
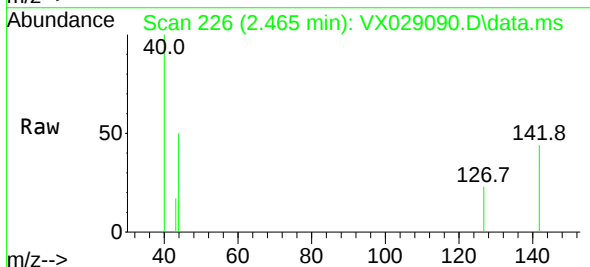
Instrument :
MSVOA_X
ClientSampleId :
RB06-20220525

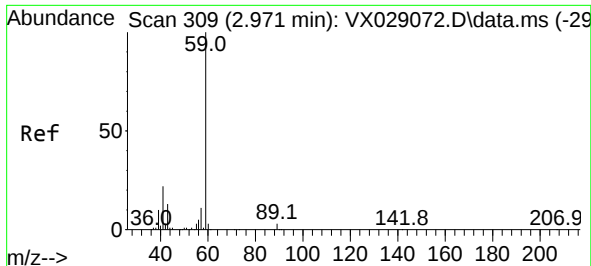
Tgt Ion: 64 Resp: 1055
Ion Ratio Lower Upper
64 100
66 21.5 25.3 37.9#



#10
Methyl Iodide
Concen: 4.337 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX029090.D
Acq: 31 May 2022 21:35

Tgt Ion: 142 Resp: 456
Ion Ratio Lower Upper
142 100
127 30.5 33.9 50.9#
141 0.0 11.4 17.2#

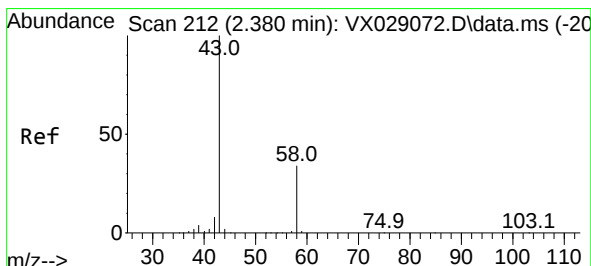
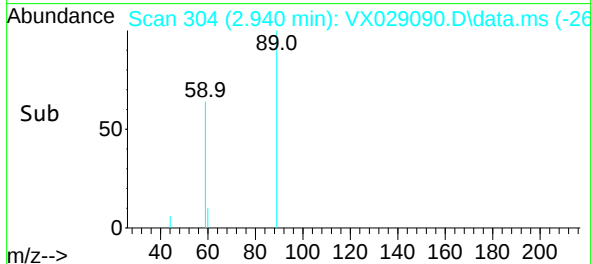
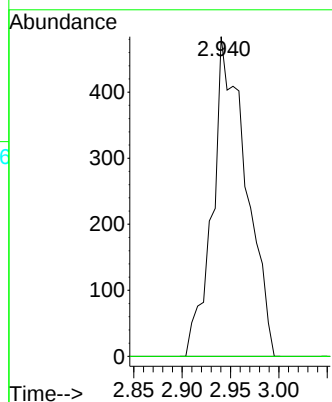
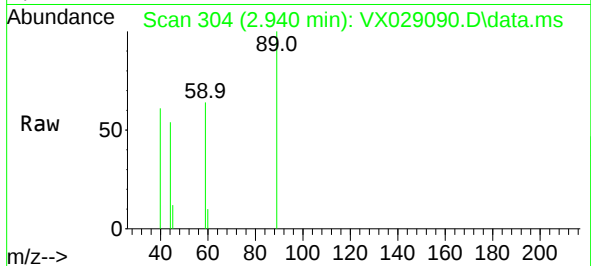




#11
Tert butyl alcohol
Concen: 1.331 ug/l
RT: 2.940 min Scan# 309
Delta R.T. -0.031 min
Lab File: VX029090.D
Acq: 31 May 2022 21:35

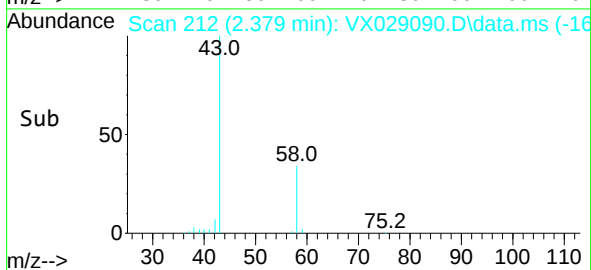
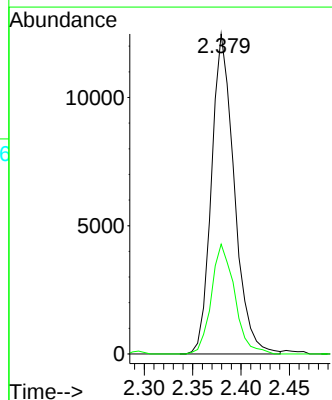
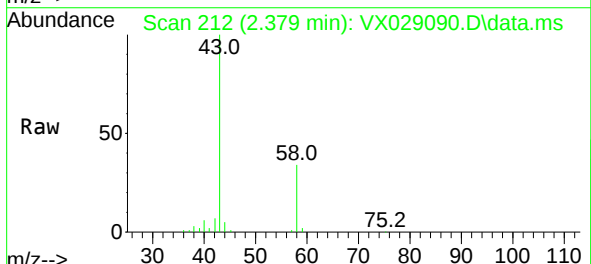
Instrument :
MSVOA_X
ClientSampleId :
RB06-20220525

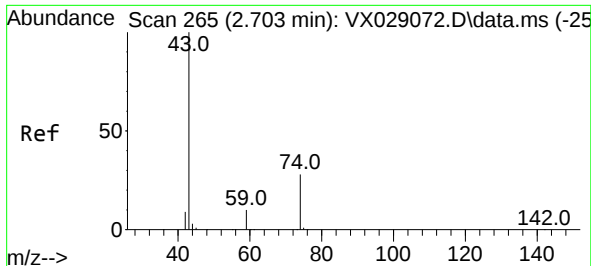
Tgt Ion: 59 Resp: 1164
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 13.762 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX029090.D
Acq: 31 May 2022 21:35

Tgt Ion: 43 Resp: 20462
Ion Ratio Lower Upper
43 100
58 34.3 28.8 43.2

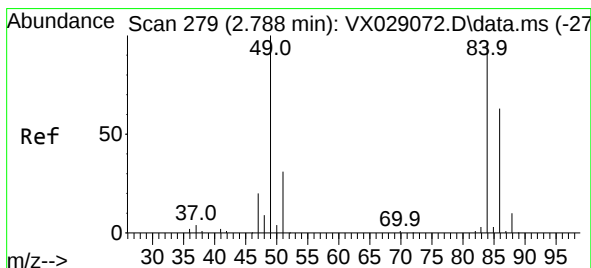
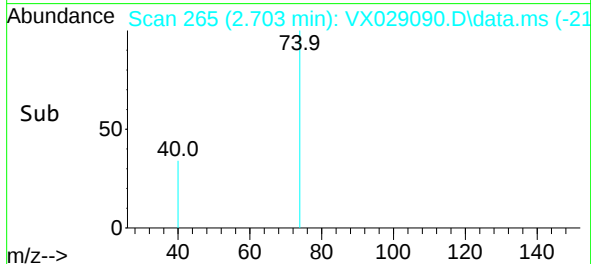
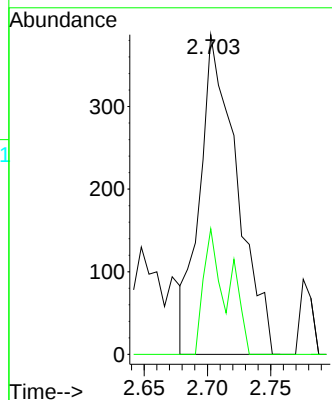
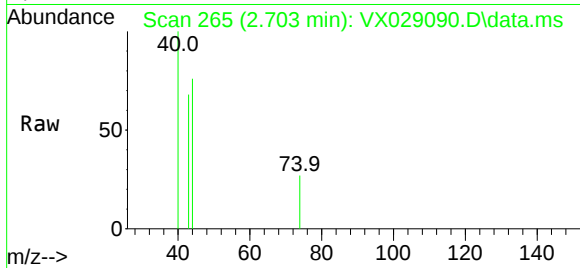




#18
Methyl Acetate
Concen: 0.206 ug/l
RT: 2.703 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX029090.D
Acq: 31 May 2022 21:35

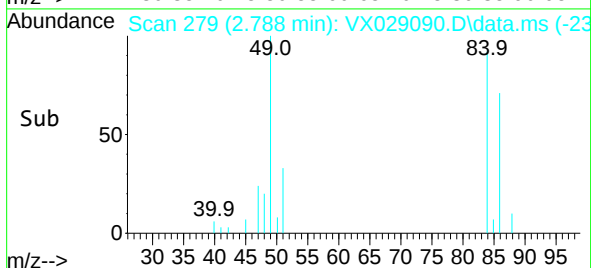
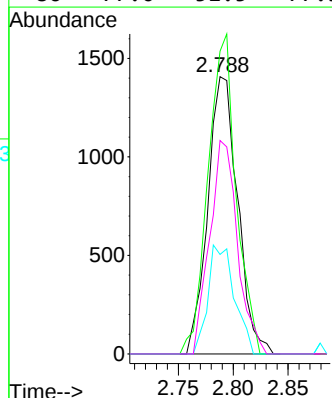
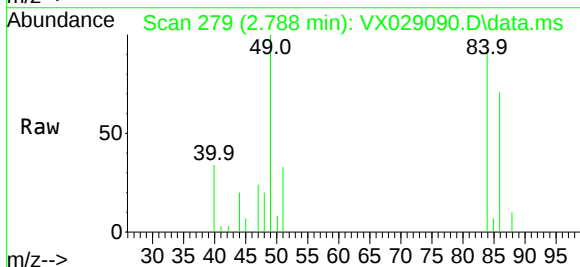
Instrument :
MSVOA_X
ClientSampleId :
RB06-20220525

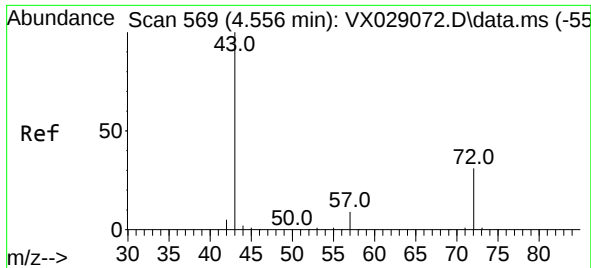
Tgt Ion: 43 Resp: 793
Ion Ratio Lower Upper
43 100
74 25.5 22.8 34.2



#20
Methylene Chloride
Concen: 0.769 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX029090.D
Acq: 31 May 2022 21:35

Tgt Ion: 84 Resp: 2666
Ion Ratio Lower Upper
84 100
49 109.2 85.5 128.3
51 35.9 26.6 39.8
86 77.0 51.5 77.3

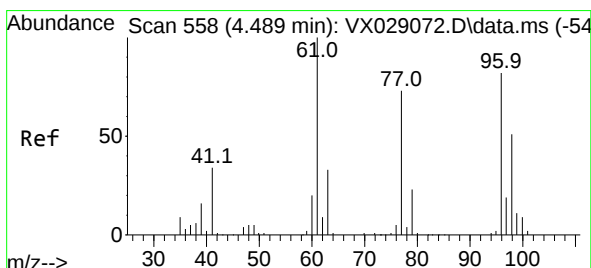
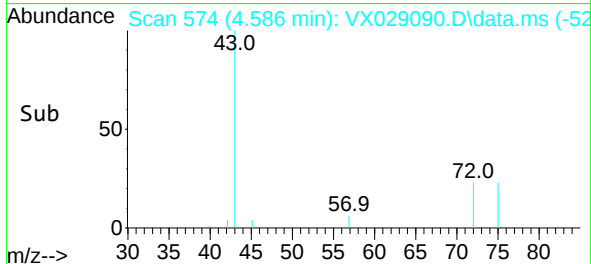
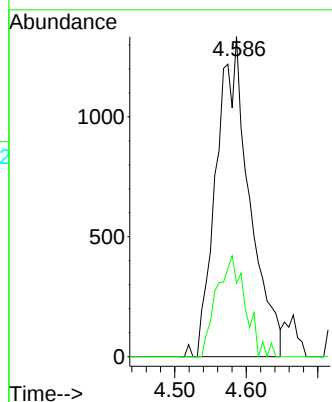
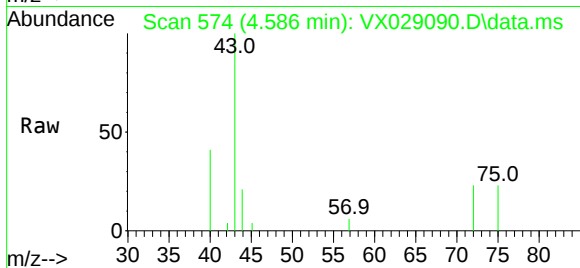




#25
2-Butanone
Concen: 1.789 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX029090.D
Acq: 31 May 2022 21:35

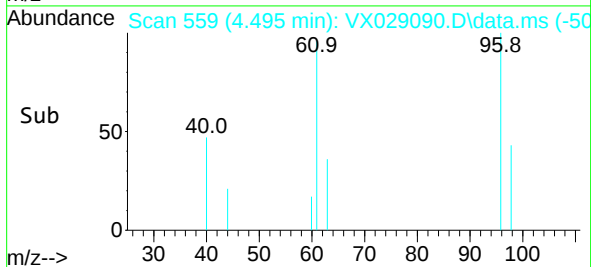
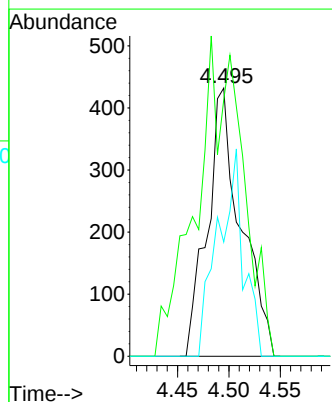
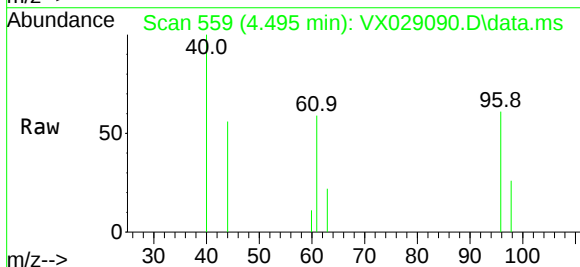
Instrument :
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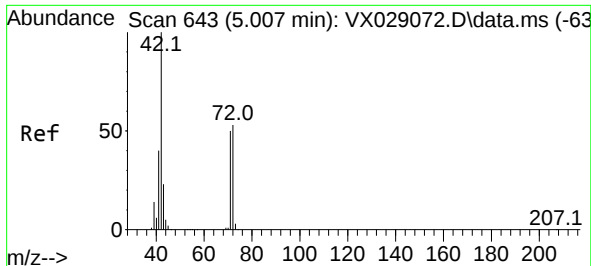
Tgt Ion: 43 Resp: 4292
Ion Ratio Lower Upper
43 100
72 22.9 24.4 36.6#



#27
cis-1,2-Dichloroethene
Concen: 0.242 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX029090.D
Acq: 31 May 2022 21:35

Tgt Ion: 96 Resp: 983
Ion Ratio Lower Upper
96 100
61 0.0 0.0 283.8
98 58.4 0.0 129.8





#29

Tetrahydrofuran

Concen: 0.432 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX029090.D

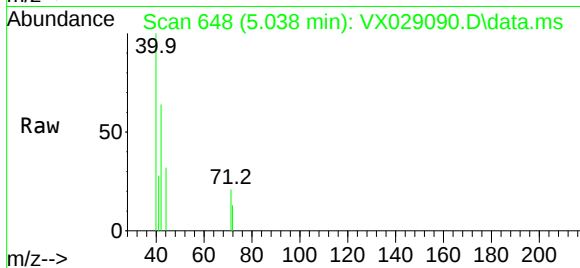
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Instrument :

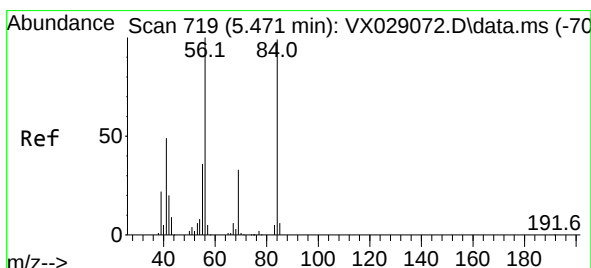
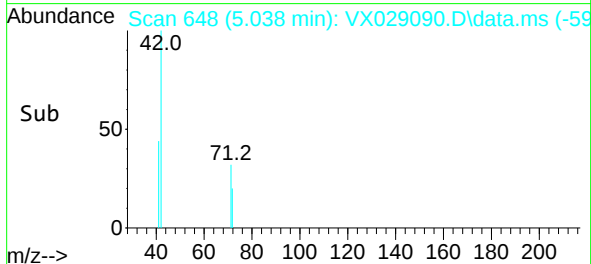
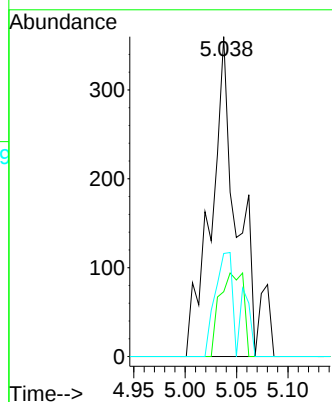
MSVOA_X

ClientSampleId :

RB06-20220525



Tgt Ion: 42	Resp: 664
Ion Ratio	Lower Upper
42	100
72	22.7 44.1 66.1#
71	20.2 40.5 60.7#



#31

Cyclohexane

Concen: 1.121 ug/l

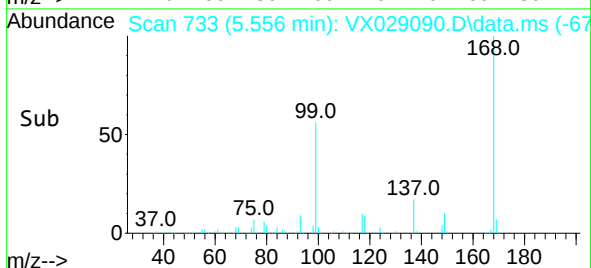
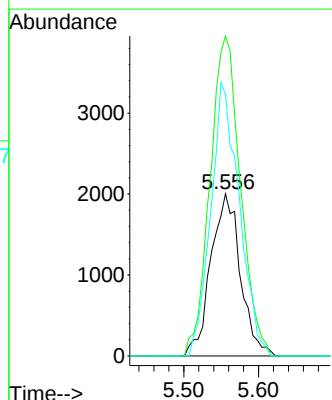
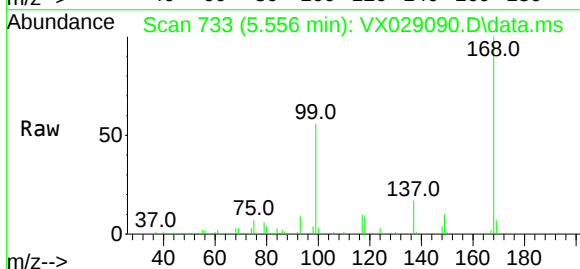
RT: 5.556 min Scan# 733

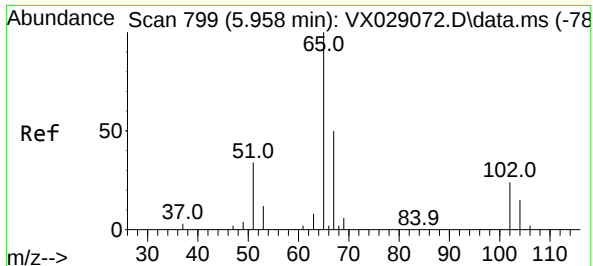
Delta R.T. 0.085 min

Lab File: VX029090.D

Acq: 31 May 2022 21:35

Tgt Ion: 56	Resp: 5505
Ion Ratio	Lower Upper
56	100
69	197.2 26.7 40.1#
84	161.2 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 51.220 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX029090.D

Acq: 31 May 2022 21:35

Instrument :

MSVOA_X

ClientSampleId :

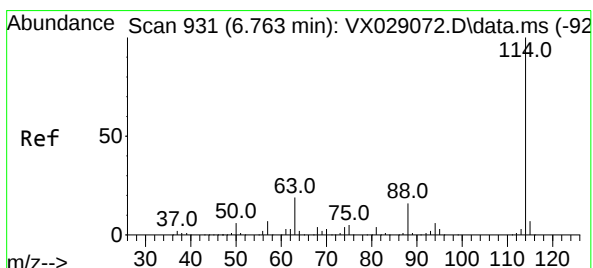
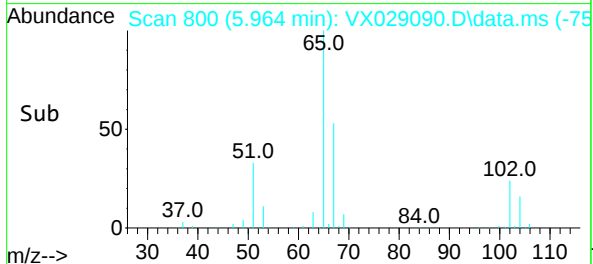
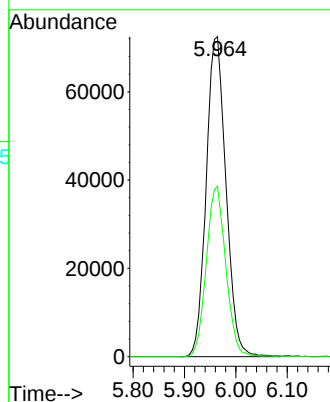
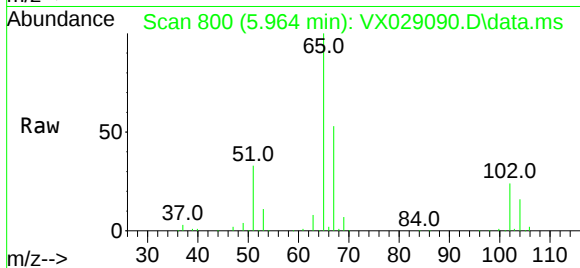
RB06-20220525

Tgt Ion: 65 Resp: 193400

Ion Ratio Lower Upper

65 100

67 52.4 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX029090.D

Acq: 31 May 2022 21:35

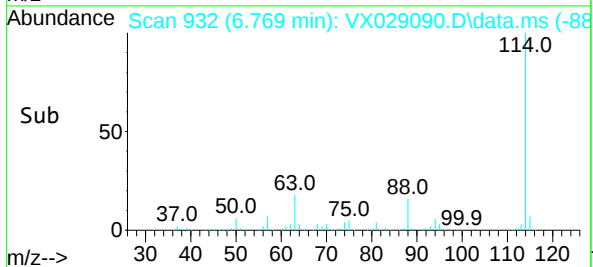
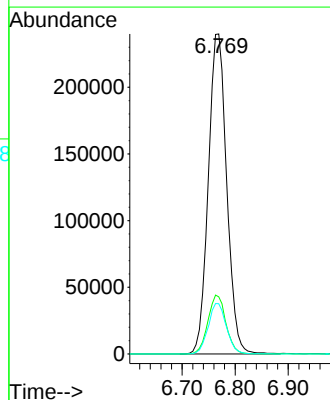
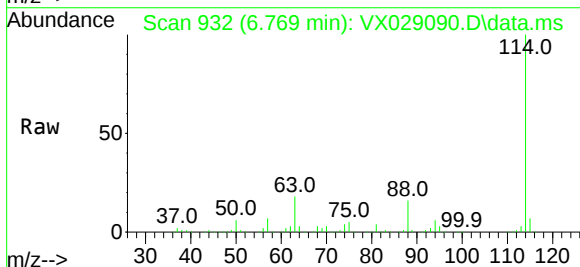
Tgt Ion: 114 Resp: 578027

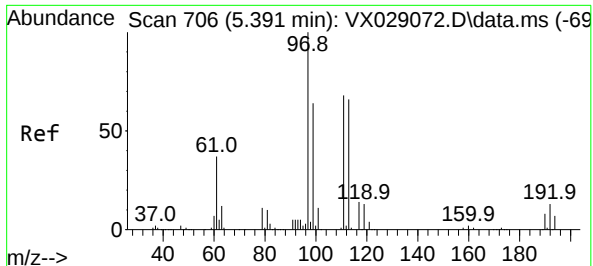
Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.8

88 15.7 0.0 32.4





#35

Dibromofluoromethane

Concen: 49.984 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029090.D

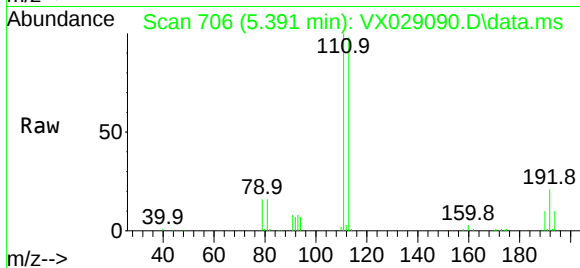
Acq: 31 May 2022 21:35

Instrument :

MSVOA_X

ClientSampleId :

RB06-20220525



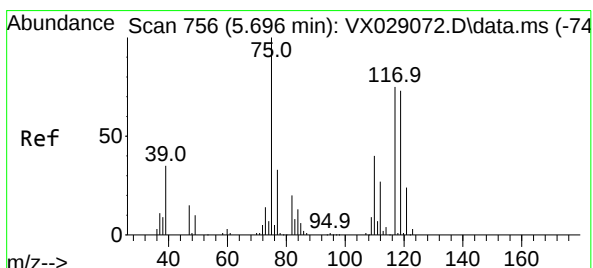
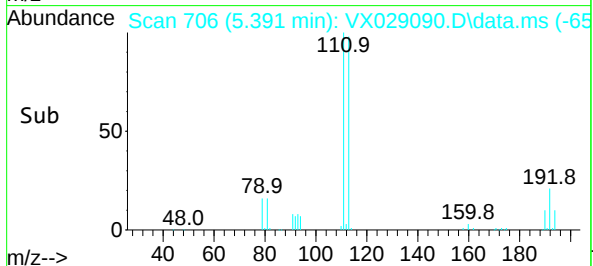
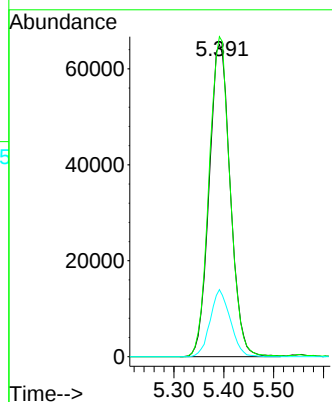
Tgt Ion:113 Resp: 191907

Ion Ratio Lower Upper

113 100

111 101.8 82.8 124.2

192 20.3 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.591 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX029090.D

Acq: 31 May 2022 21:35

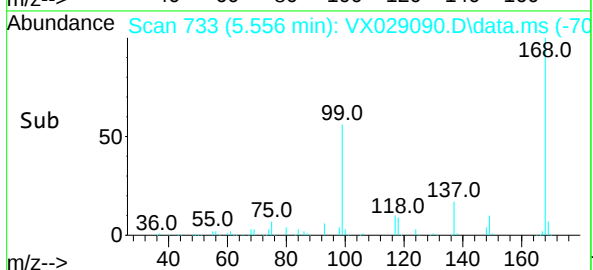
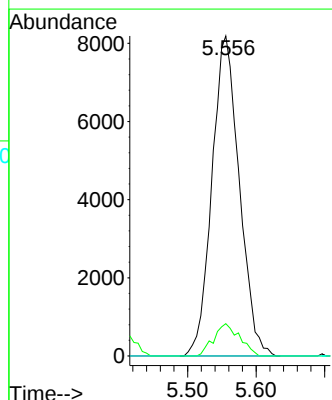
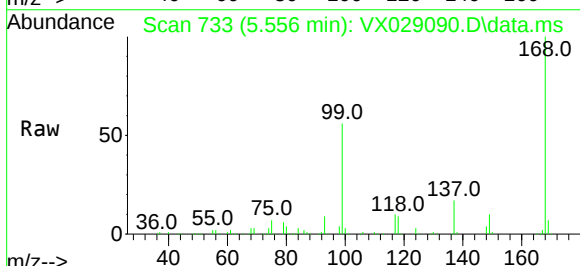
Tgt Ion: 75 Resp: 22682

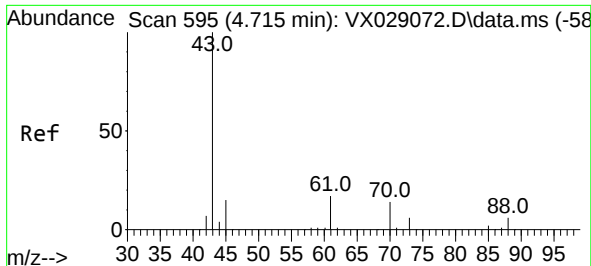
Ion Ratio Lower Upper

75 100

110 9.6 18.3 54.8#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 0.896 ug/l

RT: 4.586 min Scan# 51

Delta R.T. -0.129 min

Lab File: VX029090.D

Acq: 31 May 2022 21:35

Instrument :

MSVOA_X

ClientSampleId :

RB06-20220525

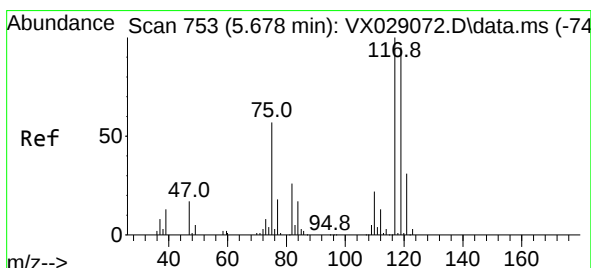
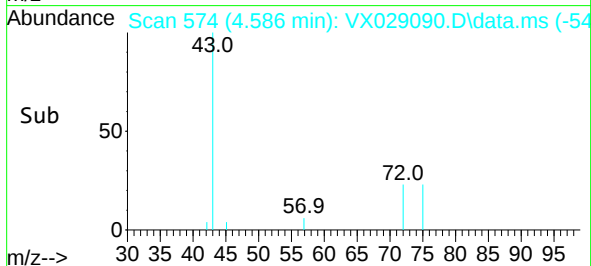
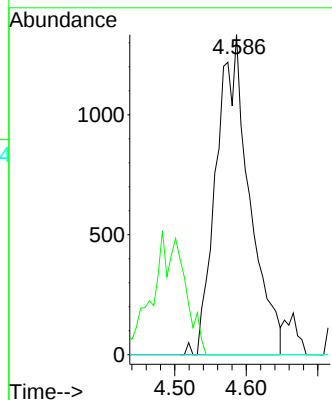
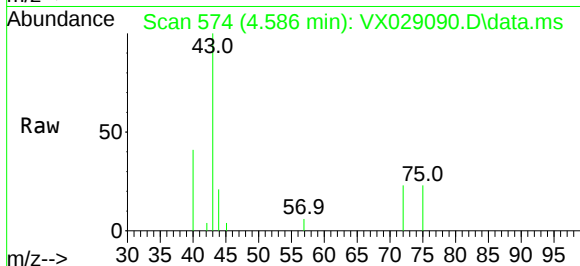
Tgt Ion: 43 Resp: 4292

Ion Ratio Lower Upper

43 100

61 0.0 12.6 19.0#

70 0.0 10.2 15.2#



#38

Carbon Tetrachloride

Concen: 5.861 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX029090.D

Acq: 31 May 2022 21:35

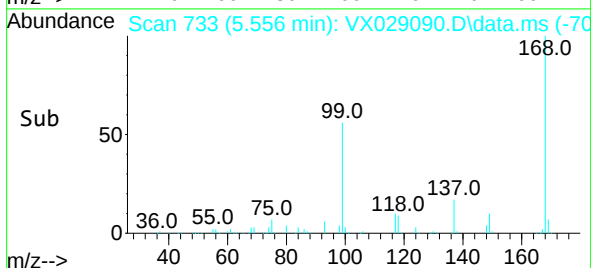
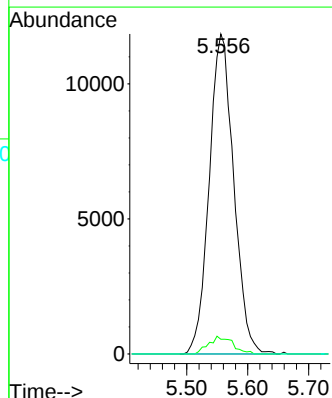
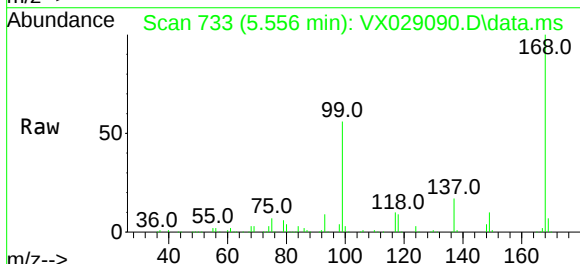
Tgt Ion: 117 Resp: 33091

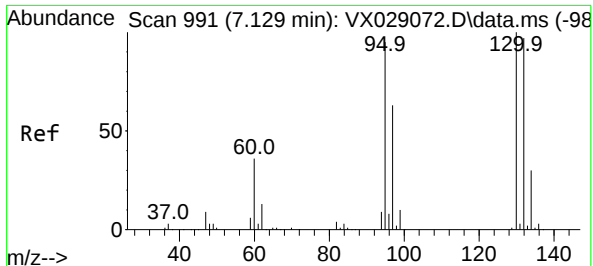
Ion Ratio Lower Upper

117 100

119 4.6 77.3 115.9#

121 0.0 24.2 36.2#

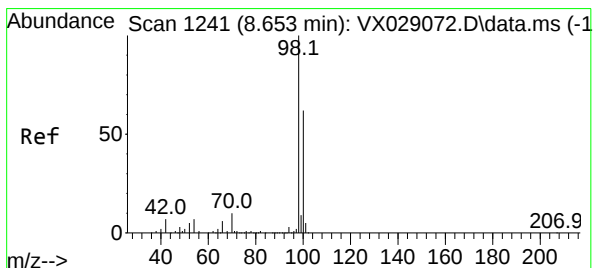
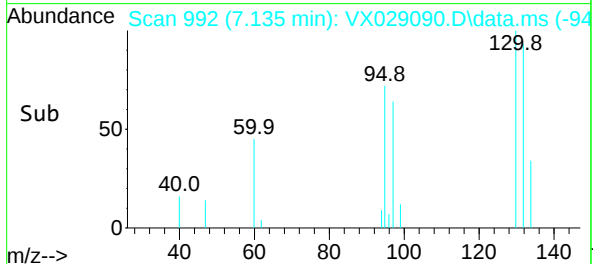
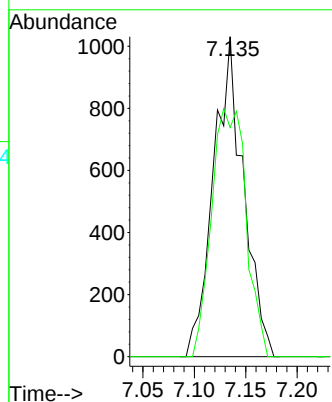
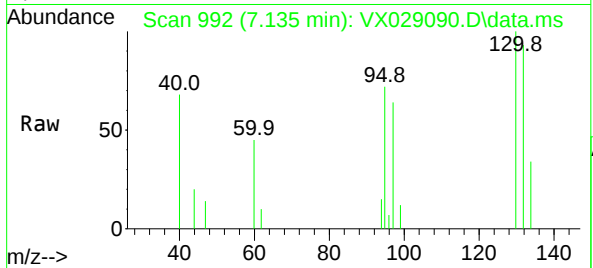




#44
Trichloroethene
Concen: Below Cal
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX029090.D
Acq: 31 May 2022 21:35

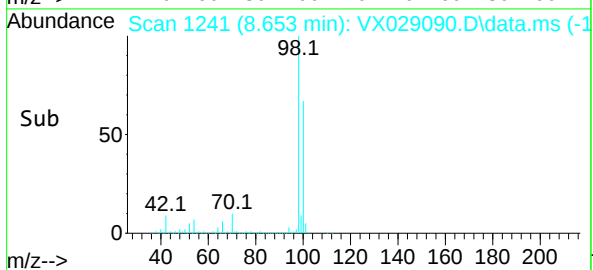
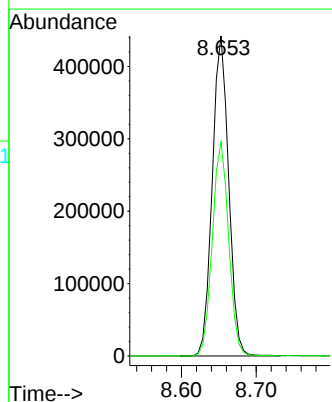
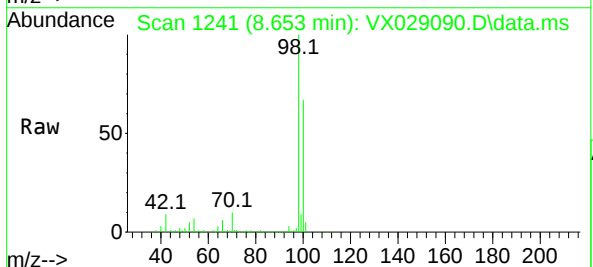
Instrument :
MSVOA_X
ClientSampleId :
RB06-20220525

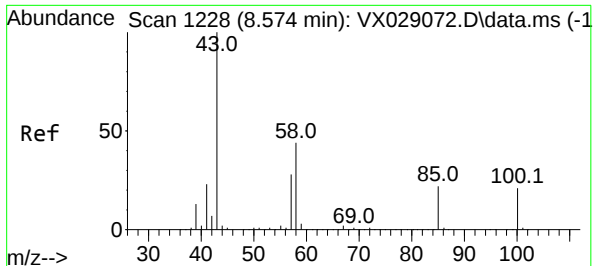
Tgt Ion:130 Resp: 2090
Ion Ratio Lower Upper
130 100
95 71.6 0.0 188.8



#50
Toluene-d8
Concen: 47.934 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029090.D
Acq: 31 May 2022 21:35

Tgt Ion: 98 Resp: 673103
Ion Ratio Lower Upper
98 100
100 66.8 52.6 78.8

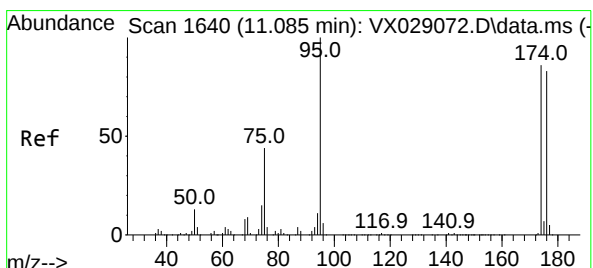
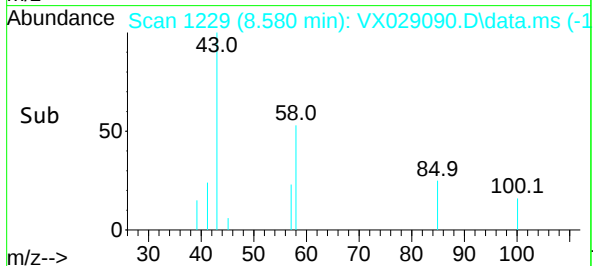
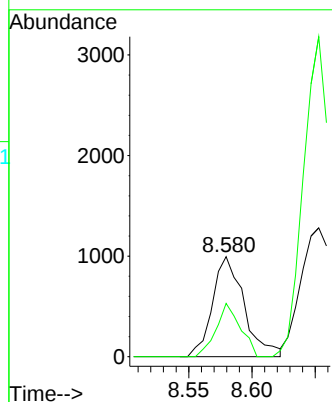
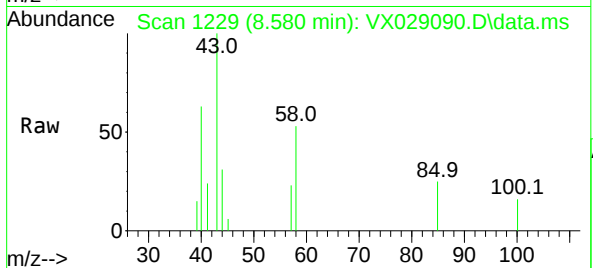




#51
4-Methyl-2-Pentanone
Concen: 0.348 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX029090.D
Acq: 31 May 2022 21:35

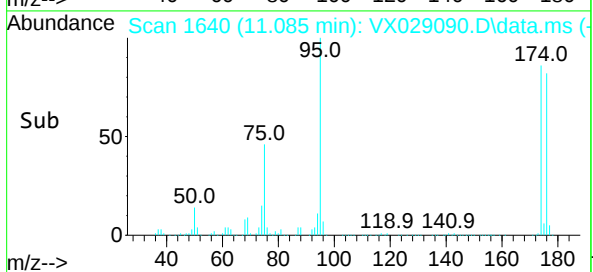
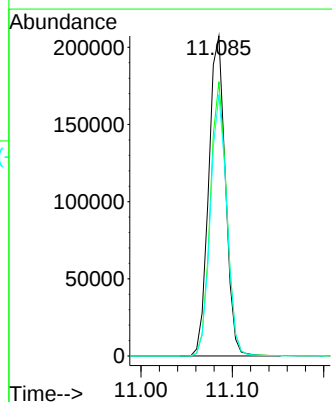
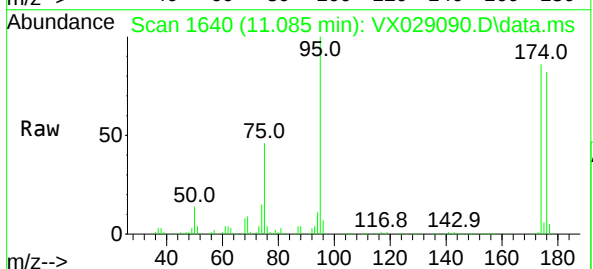
Instrument :
MSVOA_X
ClientSampleId :
RB06-20220525

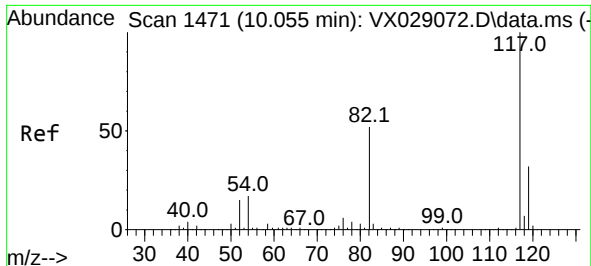
Tgt Ion: 43 Resp: 1734
Ion Ratio Lower Upper
43 100
58 40.8 36.1 54.1



#62
4-Bromofluorobenzene
Concen: 48.399 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX029090.D
Acq: 31 May 2022 21:35

Tgt Ion: 95 Resp: 262713
Ion Ratio Lower Upper
95 100
174 84.3 0.0 163.0
176 80.3 0.0 155.0

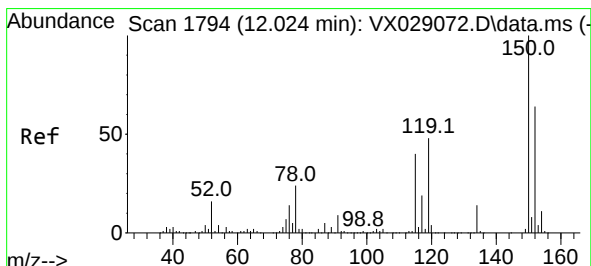
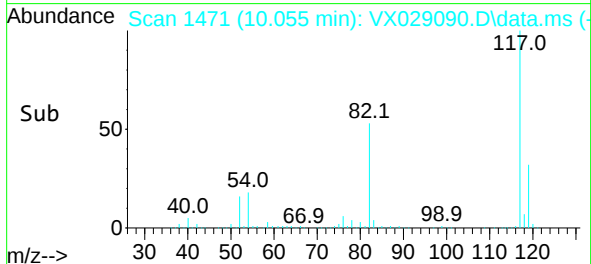
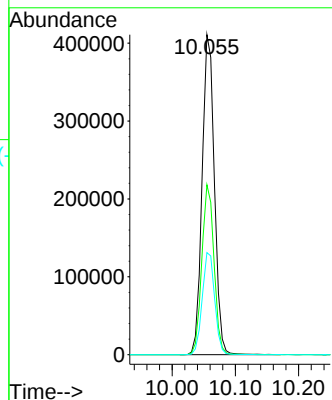
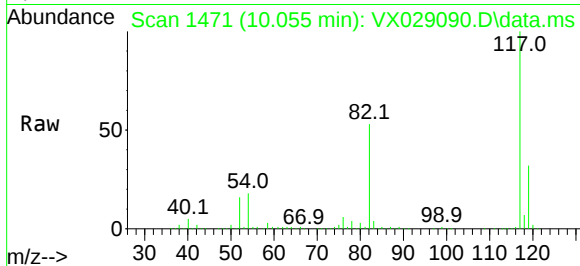




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029090.D
Acq: 31 May 2022 21:35

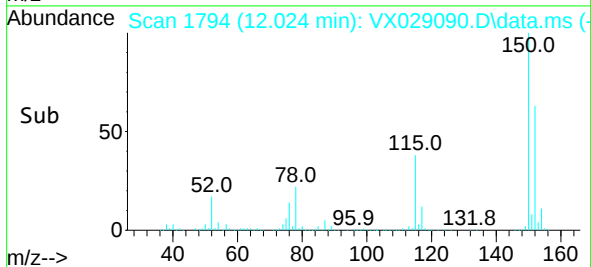
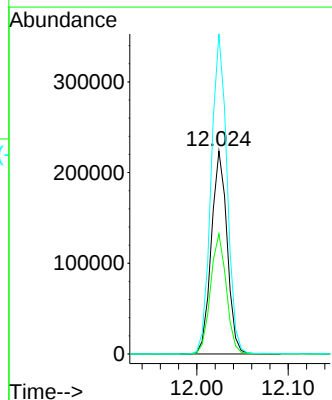
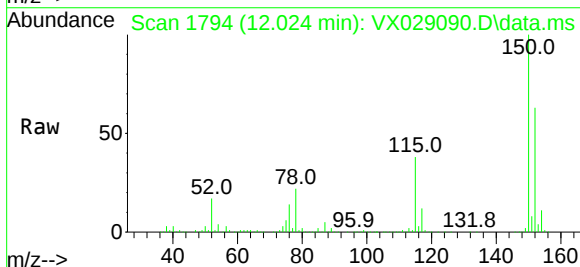
Instrument :
MSVOA_X
ClientSampleId :
RB06-20220525

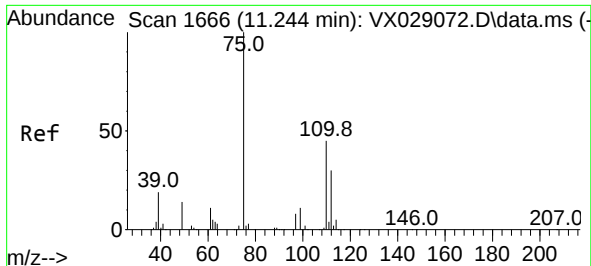
Tgt Ion:117 Resp: 556357
Ion Ratio Lower Upper
117 100
82 53.1 41.8 62.8
119 31.9 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029090.D
Acq: 31 May 2022 21:35

Tgt Ion:152 Resp: 267284
Ion Ratio Lower Upper
152 100
115 59.2 37.5 112.7
150 159.3 0.0 338.2

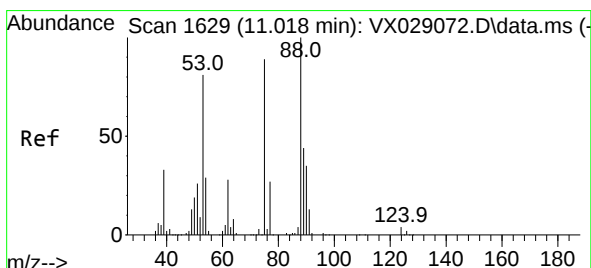
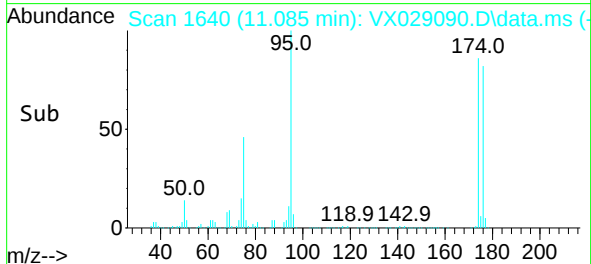
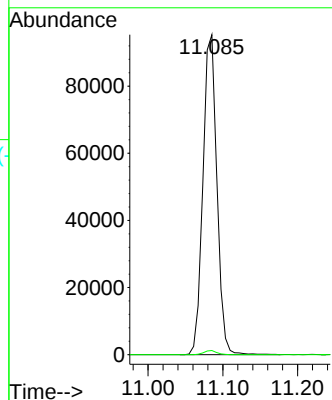
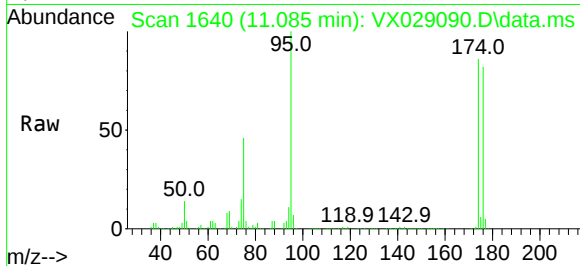




#76
1,2,3-Trichloropropane
Concen: 22.835 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX029090.D
Acq: 31 May 2022 21:35

Instrument :
MSVOA_X
ClientSampleId :
RB06-20220525

Tgt Ion: 75 Resp: 123729
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.995 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX029090.D
Acq: 31 May 2022 21:35

Tgt Ion: 75 Resp: 123729
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

